

AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier.

1. (Currently Amended) A modular infrastructure services device comprising:

a pallet configured as a trailer with a ~~having at least one~~ mounting structure for mounting
~~at least one~~ a plurality of infrastructure modules; the trailer having an enclosure
for providing protection to infrastructure modules therein; and

a power bus having ~~at least one~~ a plurality of modular power couplings for electrically
connecting ~~at least one~~ a plurality of infrastructure modules thereto;

~~a control bus having at least one modular control coupling for communicatively coupling~~
~~at least one infrastructure module thereto; and~~

a plurality of infrastructure modules mounted to the pallet and coupled to the power ~~and~~
~~control~~ bus[[es]], the plurality of infrastructure modules being chosen from
comprising a group consisting of a control module, a communications module, an
electric power generation module, a water filtration module, and an air module, a
battery module, an auxiliary power module, a security module, an hydraulic
power module, a pneumatic compressor module, a high flow rate air blower
module, a refrigeration module

the infrastructure services device further comprising an inflatable tent structure, the pallet
having a carrier thereon for storing the deflated and stowed tent structure, wherein the
tent structure is erectable adjacent to the trailer and connected to the air module for
inflating the tent and an air duct is connectable between the trailer and tent.

2. (Cancelled)

3. (Currently Amended) The modular infrastructure services device of claim 1 further comprising a control module and a control bus having at least one modular control coupling for communicatively coupling a plurality of infrastructure modules thereto, and wherein the power and control buses comprise couplings for connecting at least one other power and control bus thereto, respectively.

4. (Original) The modular infrastructure services device of claim 1 wherein the power bus comprises a power coupling for connecting an auxiliary power source thereto, the power coupling further comprising a switch for controlling the flow of electric power through the power coupling.

5. (Original) The modular infrastructure services device of claim 4 wherein the switch comprises a switchgear.

6. (Original) The modular infrastructure services device of claim 4 wherein the control bus is coupled to the switch.

7. (Cancelled)

8. (Currently Amended) The modular infrastructure services device of claim [[2]]3 wherein a communications module mounted on the pallet and coupled to the power and control buses receives signals from a remote control panel and transmits the signals to a control module also mounted on the pallet and coupled to the power and control buses, the signals from the remote control panel comprising control signals that operate the control module in a desired manner.

9. (Currently Amended) The modular infrastructure services device of claim [[1]]2 wherein the control module is adapted to relay signals from ~~at least one~~ the plurality of other infrastructure modules, through [[the]] communications module to the remote control panel.

10. (Original) The modular infrastructure services device of claim 9 wherein the communication between the remote control panel and the control module is two-way.

11. (Currently Amended) The modular infrastructure services device of claim 1, and further comprising:

a control module having a central processing unit coupled to a read/write memory device, an input/output device, a power supply and to a communications port;

~~a power bus comprising a conductor of electric power and at least one power coupling;~~
~~and,~~

a control bus comprising a conductor for control signals and at least one control coupling;

wherein the power bus is coupled to the power supply of the control module and wherein the

control bus is coupled to the communications port of the control module.

12. (Previously Presented) The infrastructure services device of claim 11 further comprising a communications module having at least one two-way communications device, the communications module being coupled to the power bus and to the control bus and being

further adapted to send and receive signals over the control bus to and from the control module.

13. (Previously Presented) The infrastructure services device of claim 12 wherein the two way communications device of the communications module is chosen from a group consisting of a satellite communications system, a non-directional broadcast transceiver, a line-of-sight communications system, a cellular communications system, a two way paging system, and a wireless broadband communications system.

14. (Currently Amended) The infrastructure services device of claim 11 ~~further comprising a power module coupled to the power and control buses, the power module providing electrical power to the power bus and being~~ wherein it is controlled by signals received over the control bus from the control module.

15. (Currently Amended) The infrastructure services device of claim 14 wherein the electric power generation module comprises a ~~power generation device chosen from a group consisting of a motor driven generator set, a fuel cell, and a battery, a solar cell, and a wind powered turbine generator.~~

16. (Previously Presented) The infrastructure services device of claim 14 further comprising a water filtrate module comprising:

a media filter;

a reverse osmosis filtration unit; and,

an ultraviolet light water treatment unit,

the media filter being adapted to receive and filter contaminated water, the reverse osmosis filtration unit being coupled to the media filter so as to receive the filtered water therefrom, the reverse osmosis filtration unit passing the water therethrough and to the ultraviolet light water treatment unit, which is coupled to the reverse osmosis filtration unit.

17. (Previously Presented) The infrastructure services device of claim 16 further comprising a water softener coupled to the media filter downstream therefrom.

18. (Previously Presented) The infrastructure services device of claim 16 further comprising a water treatment additive dispenser adapted to inject a water treatment additive to the water flowing therethrough, the water treatment additive dispenser being coupled to the media filter in a position upstream therefrom.

19. (Previously Presented) The infrastructure services device of claim 11 further comprising a water filtration module comprising:

a conduit for the passage of water therethrough having an inlet and outlet;

a pre-filter coupled inline with the conduit downstream of the inlet;

a water softener coupled inline with the conduit downstream of the pre-filter;

a reverse osmosis filter coupled inline with the conduit downstream of the water softener;

and,

a storage tank coupled to the conduit between the outlet of the conduit and the reverse osmosis filter.

20. (Previously Presented) The infrastructure services device of claim 19 wherein the water filtration module further comprises a post-filter coupled inline with the conduit downstream from the storage tank and an ultraviolet light water treatment device coupled in line with the conduit between the post filter and the outlet of the conduit.

21. (Currently Amended) The infrastructure services device of claim 1, ~~further comprising~~ a wherein the communications module having a two-way communications device adapted to send and receive information to and from a remote control panel; the communications module being coupled to both the power and control buses, the communications module being further adapted to receive operational information regarding the plurality of infrastructure module and to relay that operational information to the remote control panel and to receive control signals from the remote control panel and to distribute those control signals to the plurality of infrastructure modules via the control bus.

22. (Currently Amended) The infrastructure services device of claim 21 ~~further comprising a~~ wherein the power generation module coupled to the power bus and adapted to provide electrical power to the plurality of infrastructure modules coupled to the power bus, the power module also being coupled to the control bus and being adapted to receive and act upon control signals received over the control bus.

23. (Previously Presented) The infrastructure services device of claim 21 further comprising a local control module coupled to the power and control buses, the local control module being adapted to control the plurality of infrastructure devices.

24. (Previously Presented) The infrastructure services device of claim 21 further comprising a water filtration module having at least one filter and a water softening mechanism, the water filtration module being coupled to the power and control buses.

25. (Previously Presented) The infrastructure services device of claim 24 wherein the water filtration module further comprises a water treatment additive dispenser.

26. (Previously Presented) The infrastructure services device of claim 21 further comprising an air filtration module having at least one air filter positioned to filter air from at least one air blower.

27. (Previously Presented) The infrastructure services device of claim 26 wherein the air filtration module further comprises a heat exchanger positioned downstream of the at least one air filter.

28. (Previously Presented) The infrastructure services device of claim 26 wherein the air filtration module further comprises an ultraviolet light air treatment device positioned to shine ultraviolet light on air received from the at least one air filter.

29. (Previously Presented) The infrastructure services device of claim 27 wherein the air filtration module further comprises a humidifier positioned to inject moisture into air received from the heat exchanger.

30. (Previously Presented) The infrastructure services device of claim 1, and further comprising:

a conduit for the passage of water therethrough having an inlet and outlet;
a pre-filter coupled inline with the conduit downstream of the inlet;
a water softener coupled inline with the conduit downstream of the pre-filter; and,
a reverse osmosis filter coupled inline with the conduit downstream of the water softener.

31. (Previously Presented) The infrastructure services device of claim 30 further comprising a storage tank coupled to the conduit between the outlet of the conduit and the reverse osmosis filter.

32. (Previously Presented) The infrastructure services device of claim 31 wherein the water filtration module further comprises a post-filter coupled inline with the conduit downstream from the storage tank and an ultraviolet light water treatment device coupled in line with the conduit between the post filter and the outlet of the conduit.

33. (Previously Presented) The infrastructure services device of claim 30 further comprising a water treatment additive dispenser coupled inline with the conduit upstream from the pre-filter.

34. (Previously Presented) The infrastructure services device of claim 30 wherein the water treatment additive dispenser is adapted to dispense into the water flowing through the conduit an additive chosen from a group consisting of iodine, sodium hypochlorite, and ozone.

35. (Withdrawn) A method of providing infrastructure services comprising:

identifying at least one infrastructure need;

providing at least one infrastructure module to satisfy the at least one infrastructure need;

mounting the at least one infrastructure module on a modular support structure;

deploying the modular support structure to the location of the at least one identified infrastructure need; and, activating the at least one infrastructure module to satisfy the at least one identified infrastructure need in an area surrounding the modular support structure.

36. (Withdrawn) The method of providing infrastructure services of claim 35 further comprising:

coupling the at least one infrastructure module to a power bus and a control bus to provide power and control signals to the at least one infrastructure module.

37. (Withdrawn) The method of providing infrastructure services of claim 35 further comprising:

coupling a communications module to the power bus and to the control bus and providing communications between a remote control panel and the at least one infrastructure module.

38. (Withdrawn) The method of providing infrastructure services of claim 35 further comprising:

coupling a communications module to the power bus and to the control bus and providing communications between a remote control panel and a plurality of infrastructure module.

39. (Withdrawn) A method of providing logistics for an integrated infrastructure resource system comprising:

providing an integrated infrastructure resource system having a plurality of infrastructure modules coupled together in a cooperative network that includes a two way wireless communications module adapted to communication with a remote control panel; monitoring the function of the plurality of the networked infrastructure modules by means of signals received from the infrastructure modules by means of the communications module;

identifying remotely when a maintenance issue arises and a supply of consumable materials is depleted below a predetermined level; and,

scheduling independently maintenance on the integrated infrastructure resource system and deliver of consumable materials to the integrated infrastructure resource system.

40. (Cancelled)

41. (New) A modular infrastructure services device comprising:

a trailer with an enclosure, a a plurality of infrastructure modules mounted on the trailer within the enclosure;

a plurality of infrastructure modules mounted to the pallet and coupled to the power bus, the plurality of infrastructure modules comprising, an electric power generator, a water filtration module, an air module;

the modular infrastructure services device further comprising an inflatable tent structure, the trailer having a carrier thereon for storing the deflated and stowed tent structure, wherein the tent structure is erectable adjacent to the trailer and connected to the air module for inflating the tent and a duct is connectable between the trailer and tent for providing conditioned air to the tent from the services device.